

BTX™ Bridging Traders & Exchanges System

User Manual (Appendices)

2013

TABLE OF CONTENTS


TABLE OF CONTENTS	2
Appendix A	3
Colour Code Interpretation	3
Symbol Interpretation	3
Appendix B	5
Icon Interpretation	5
Home Icons & Toolbars	5
Order Status Icons/Toolbars & Interpretation	7
Technical Analysis Icon Interpretation	8
Appendix C	11
Keyboard Shortcuts	11
Main Screen	11
Order Entry Screen	12
Order Status Screen	12
Appendix D	14
About Indicators	14
Appendix E	15
Checking/Setting PC Administrator's Right	15
Turn OFF the User Account Control (UAC) mode from your PC	18
Appendix F	20
System Messages	20
Appendix F	29
BURSA Error Messages	29
Appendix F	45
Glossary	45
Appendix G	49
Order Details Status Messages	49
Order Status Sequence.....	51
Order Status Description	52

Appendix A

Colour Code Interpretation

Color	Interpretation
Red	Negative/Decrease value
Green	Positive/Increase value
White	Static/Unchanged value
Blue	Untraded Counters
Grey	Suspended Counters
Cyan	Main Market Counters
Magenta	ACE Market Counters
















Symbol Interpretation





















Symbol	Interpretation
*	Indicates the availability of news/announcements pertaining to the company in the company announcement page
◦	Indicates Shariah compliant counters
!	Indicates PN17/PN4/GN3 counters, active with alert announcement
C	Indicates Cum Entitlement for the Company
X	Indicates Ex Entitlement for the Company
F	Indicates Frozen counter
R	Indicates Reserved counter
S	Indicates Suspended counter
	Indicates Investor Relations for Fundamental Analysis module











Appendix B

Icon Interpretation











Home Icons & Toolbars















Icon	Interpretation
	Back to Home screen
	Switch to HTTP from Real – Time mode
	Switch to Real – Time from HTTP mode
	Technical Analysis module
	In-House Announcement
	To Change User's Password
	To Logout
	Number of Gainers
	Number of Losers
	Number of Unchanged Counters
	Sell Rate more than Buy Rate
	Buy Rate more than Sell Rate
	To change Home view layout
	To open a new pop-up window
	To adjust pop-up window (maximize)

Icon	Interpretation
	Real Time Mode – Connected with data transfer if blinking
	Real Time Mode – Disconnected
	HTTP Real Time Mode – Connected with data transfer if blinking
	HTTP Real Time Mode - Disconnected
	HTTP Real Time Mode – No Incoming Data
	Standard Mode – Connected with data transfer if blinking
	Standard Mode - Disconnected
	Standard Mode – No Incoming Data
	Go to First Page
	Go To Previous Page
	Go To Next Page
	Go To Last Page
	Search Stocks
	Profit/Loss Calculator
	Export Data
	Change Stock List Font
	Organize Favourites
	Customize Columns
	Add Stock to Favourites
	Remove Stock From Favourites
	Keep on top of Quotation






Icon	Interpretation
	Detail Info
	List View
	Summary by Sector
	All Transactions
	Grouped by Time
	Grouped by Time (Chart)
	Grouped by Price
	Grouped by Volume
	Buy vs. Sell
	About Indicators



















Order Status Icons/Toolbars & Interpretation









Icon	Interpretation
	Back to Dealer Dashboard / Order Status Home screen
	Filter
	Organise Filter
	View Order Properties
	To Modify Order
	To Reduce/Cancel Order
	To Cancel All Orders
	To Cancel Trade
	Client Amendment
	List View

Icon	Interpretation
	View Order Grouped by Account
	View Order Grouped by Stock
	Customise Columns
	Trade Report
	Save file or data
	Change Stock List Font
	Search Clients
	Pin current screen to window (Active)
	Pin current screen to window (Inactive)
	To maximize your order status window
	To minimize your order status window
	Duplicate Basket Order
	Accept DBT Declaration
	Reject DBT Declaration

Technical Analysis Icon Interpretation

Icon	Interpretation
	Save file or data
	Open file or data
	Candle Stick Chart
	Bar Chart
	Line Chart

Icon	Interpretation
	1 Minute Chart
	5 Minutes Chart
	15 Minutes Chart
	60 Minutes Chart
	Daily Chart
	Weekly Chart
	Monthly Chart
	Zoom in
	Zoom Out
	Show magnifier / Zoom plus
	Tools Indicator
	Technical Indicators
	Trading System Indicators
	Adjusted Price (On)
	Adjusted Price (Off)
	Show Indicators (On)
	Show Indicators (Off)
	Fibonacci Retracement
	Fibonacci Arc
	Fibonacci Time Zone
	Fibonacci
	Vertical Line
	Horizontal Line

Icon	Interpretation
	Eclipse
	Draw Line
	Text tools
	Arrow Up
	Arrow Down
	Rectangle
	Linear Regression Line
	Erase All applied indicator

Appendix C









Keyboard Shortcuts

Main Screen

Keyboard Keys	Functionality
Ctrl + F2, 1	Displays the 'Stocks: Quotation' screen
Ctrl + F2, 2	Displays the 'Stocks: General Info' screen
Ctrl + F2, 3	Displays the 'Stocks: Trade Detail' screen
Ctrl + F2, 4	Displays the 'Stocks: Queue Analysis' screen
Ctrl + F2, 5	Displays the 'Stocks: Performance' screen
Ctrl + F2, 6	Displays the 'Stocks: Announcement/News' screen
Ctrl + F2, 8	Displays the 'Stocks: Technical Analysis' screen
Ctrl + F2, 9	Displays the 'Stocks: Info Update History' screen
Ctrl + F2, A	Displays the 'Stocks: Price History' screen
Ctrl + F2, D	Displays the 'Stocks: Direct Business Transaction' screen
Ctrl + F2, E	Displays the 'Stocks: Odd Lots Info' screen
Ctrl + F2, F	Displays the 'Profit / Loss Calculator' screen
Ctrl + F3, 1	Displays the 'Indices: Listing' screen
Ctrl + F3, 2	Displays the 'Indices: Performance' screen
Ctrl + F3, 3	Displays the 'Indices: Technical Analysis' screen
Ctrl + F4, 1	Displays the 'Market: Summary' screen
Ctrl + F4, 2	Displays the 'Market: Summary by Sector' screen
Ctrl + F4, 3	Displays the 'Market: Performance' screen
Ctrl + F4, 4	Displays the 'Market: Announcement/News' screen
Ctrl + F4, 6	Displays the 'Market: Info Update History' screen
Ctrl + F4, 7	Displays the 'Market: Direct Business Transaction History' screen
Ctrl + (n)	(n) is the number of Favourites Folders according to the creation order <i>For Example: The first folder would be Ctrl + 1 and the second would be Ctrl + 2</i>
Ctrl + W	Displays the 'All Stocks'
Ctrl + E	Displays the 'All Stocks (Odd Lot)'
Ctrl + M	Displays more Favourites Folders that are not listed after 10

Keyboard Keys	Functionality
Ctrl + A	Displays the 'Most Active Counters'
Ctrl + G	Displays the 'Top Gainers'
Ctrl + N	Displays the 'Top Gainers %'
Ctrl + L	Displays the 'Top Losers'
Ctrl + O	Displays the 'Top Losers %'
Ctrl + Home	Displays the First Page
Ctrl + End	Displays the Last Page
Ctrl + Page Up	To return to previous page
Ctrl + Page Down	To go to next page
Ctrl + Q	Displays the 'Trade:Order Status' screen

Order Entry Screen

Keyboard Keys	Functionality
	To make buy transactions
Ctrl + B,  + 	To make buy transactions
 , (plus sign from numeric keypad)	To make buy transactions
	To make sell transactions
Ctrl + S,  + 	To make sell transactions
 , (minus sign from numeric keypad)	To make sell transactions

Order Status Screen

Keyboard Keys	Functionality
Ctrl + F6, 1	Displays the 'Trade: Order Status' screen

Keyboard Keys	Functionality
Ctrl + F6, 3	Displays the 'Trade: Order Status History' screen
Ctrl + F6, 8	Displays the 'Trade: DBT Declaration' screen
Ctrl + F8, 1	Displays the 'Account: Account Listing' screen
Ctrl + F8, 2	Displays the 'Account: Account Info' screen
Ctrl + F8, 3	Displays the 'Account: Order Status By Account' screen
Ctrl + F8, 4	Displays the 'Account: Order Status History By Account' screen
Ctrl + (n)	(n) is the number of filters according to the creation order For Example: The first filter would be Ctrl + 1 and the second would be Ctrl + 2
Ctrl + A	Displays 'All Orders' Screen
Ctrl + K	Displays 'Orders in Queue' screen
Ctrl + D	Displays 'Done Orders' screen
Ctrl + O	Displays 'Outstanding Orders' screen
Ctrl + R	Displays 'DBT Orders' screen
Ctrl + Y	Displays 'Buying In Orders' screen
Ctrl + P	Displays 'Online Orders' screen
Ctrl + I	Displays 'System Orders' screen

Appendix D

About Indicators

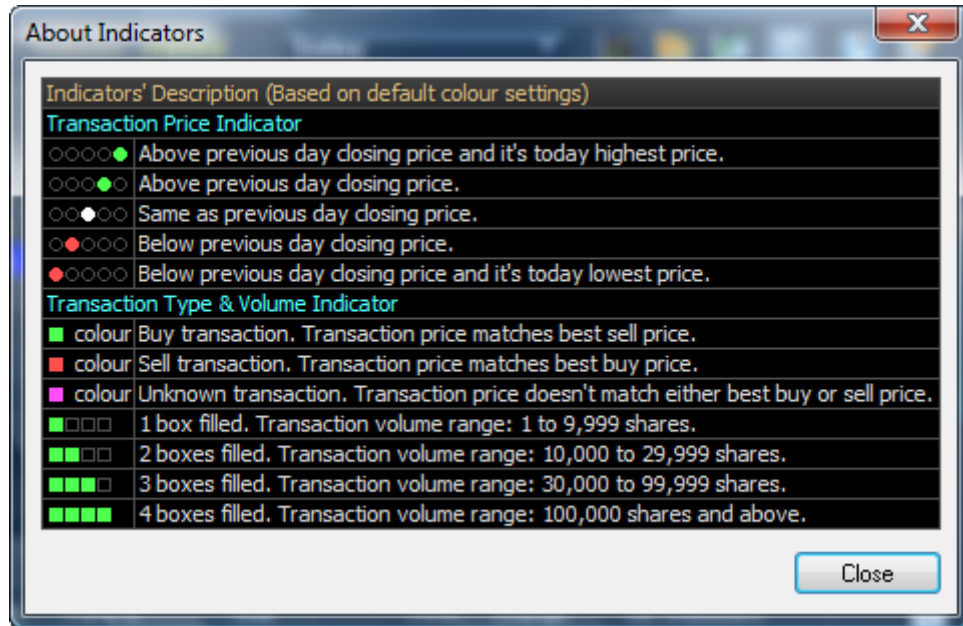



Figure 1. About Indicators

- ☒ The transaction price indicator and the transaction type and volume indicator are found in the **Trade Details** screen under Stock.
- ☒ To view the details regarding each indicator, click on About Indicators  icon as mentioned before.
- ☒ The descriptions of the indicators are as above.

Appendix E

Checking/Setting PC Administrator's Right

- ☒ To check or to change your Administrative right, point to **Start > Control Panel > User Accounts**.
- ☒ Screen as shown next displayed.

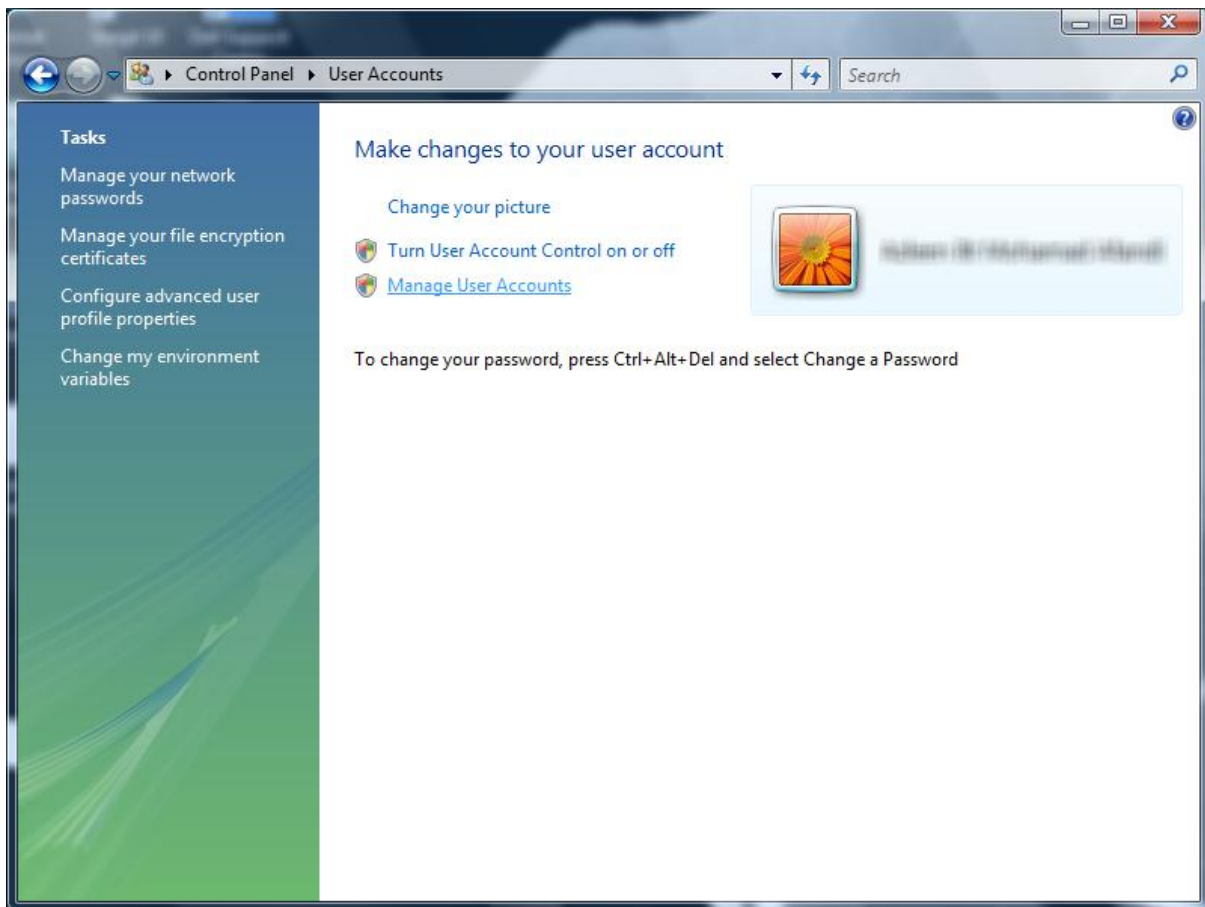
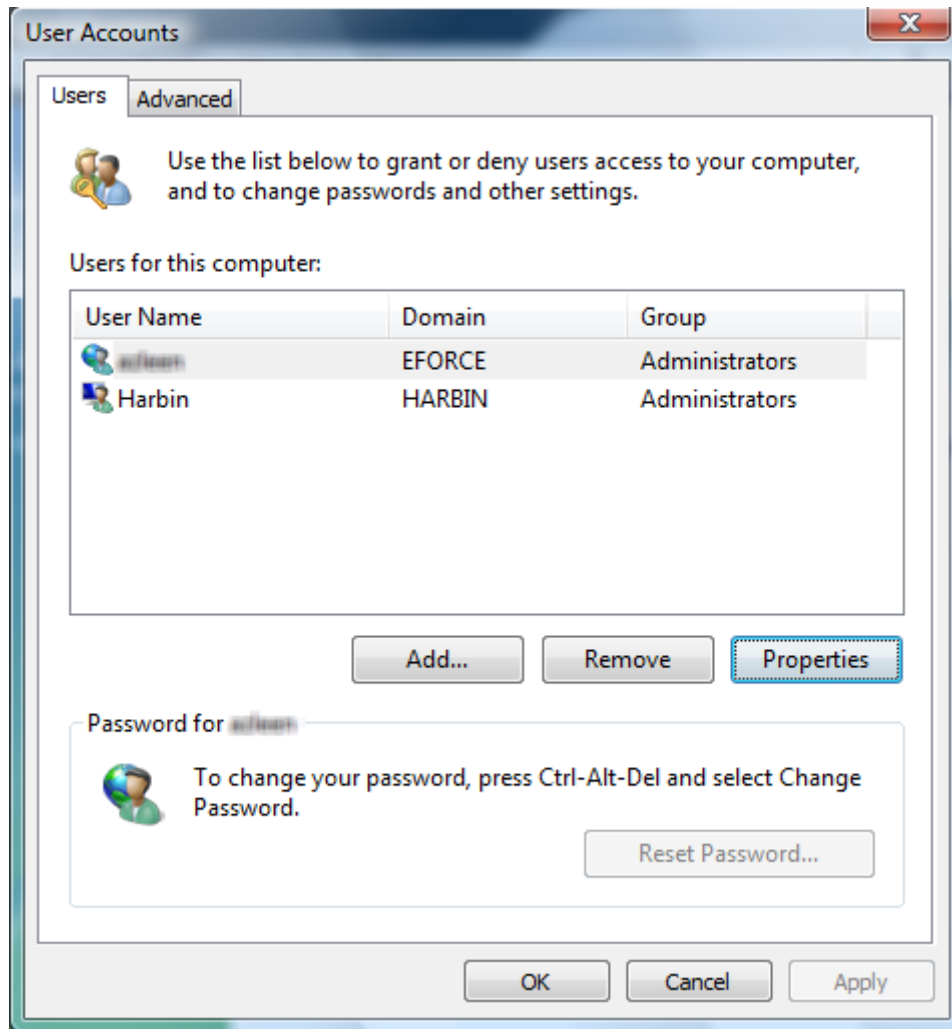
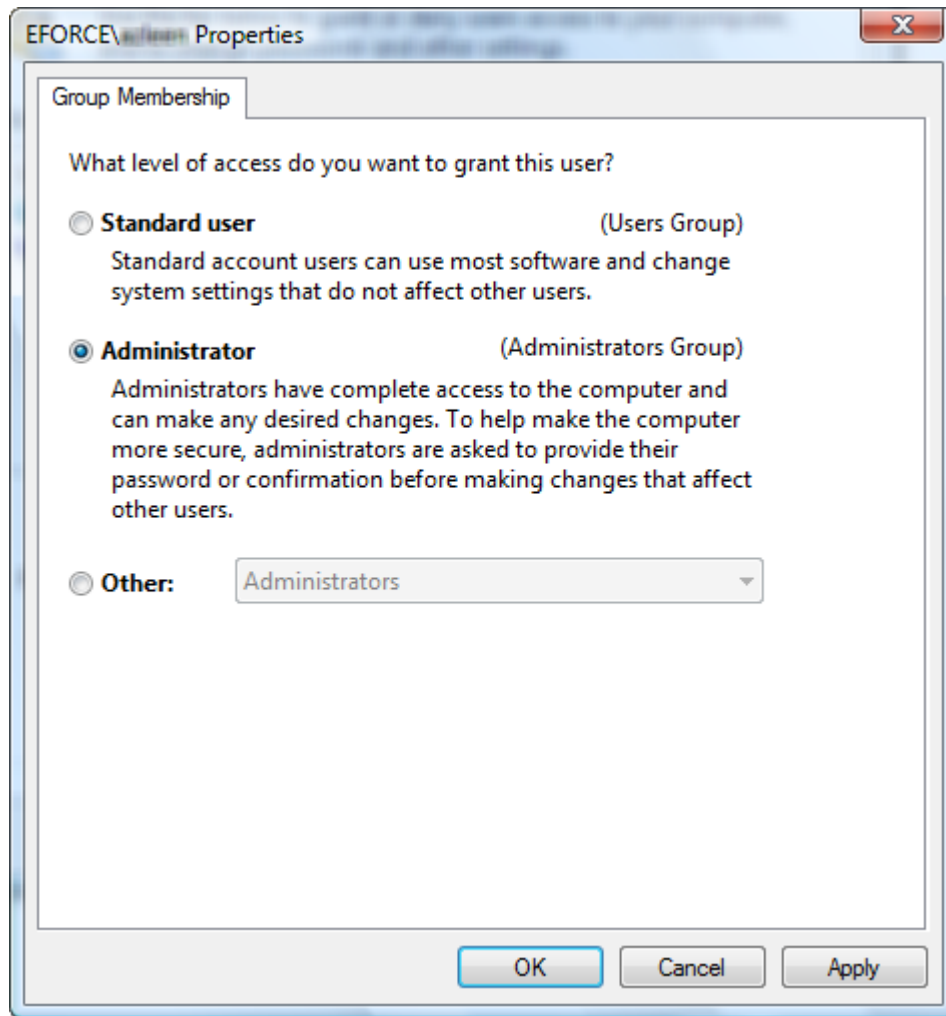


Figure 1. Control Panel: User Account

- ☒ Click **Manage User Accounts**. Screen as shown next displayed.



At **Users** tab, select your **User Name** and then click <**Properties**>.



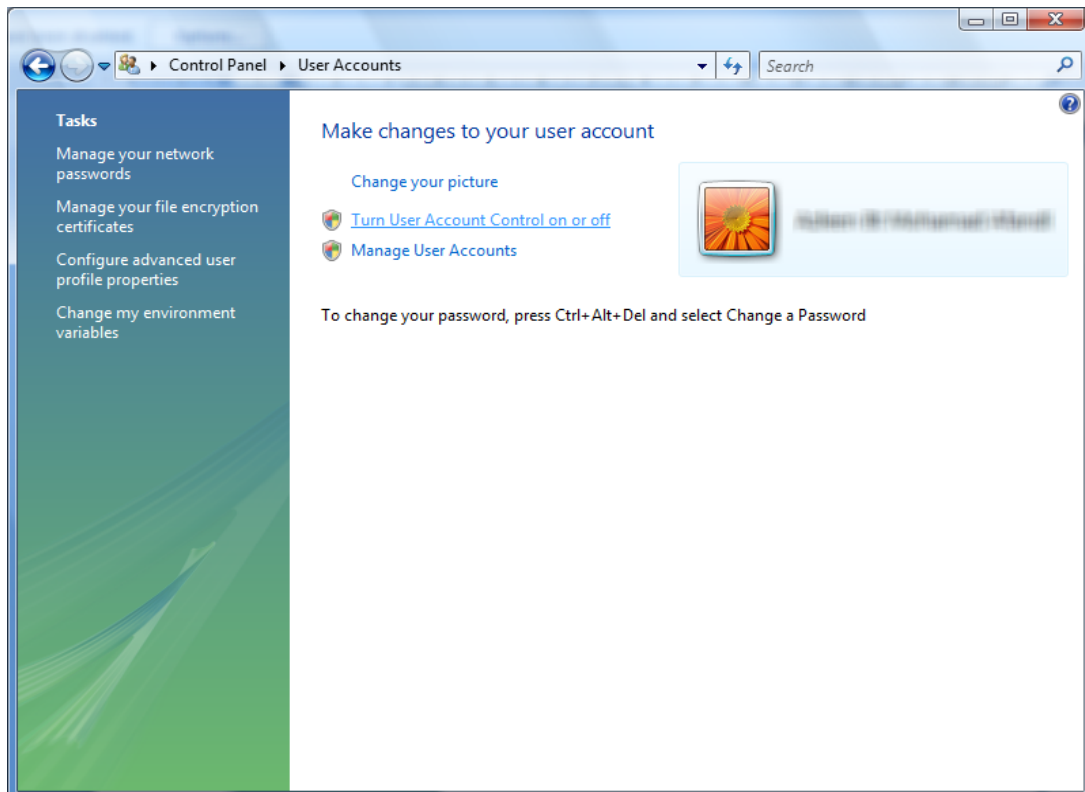
- ☒ At **Group Membership** tab, select **Administrator** (Administrators Group).
- ☒ Click **<OK>**.



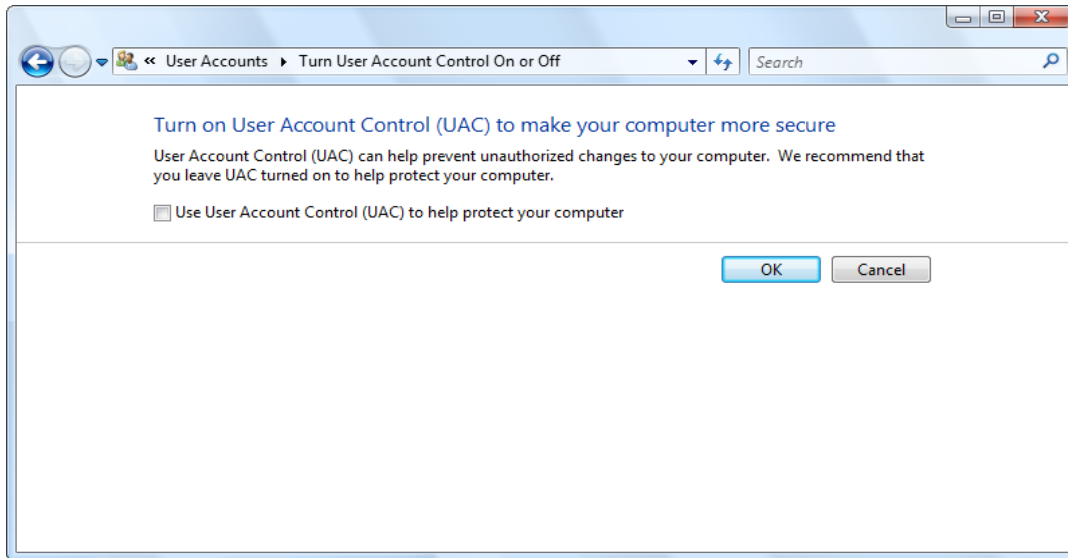
SECURITY REMINDER: If you have the administrator's right on your PC but still unable to access certain privileges on the system, perhaps it is due to the User Access Right Control (UAC) currently turned **ON** at your PC. Turn this control **OFF** to enable access to the said privileges.

Turn OFF the User Account Control (UAC) mode from your PC

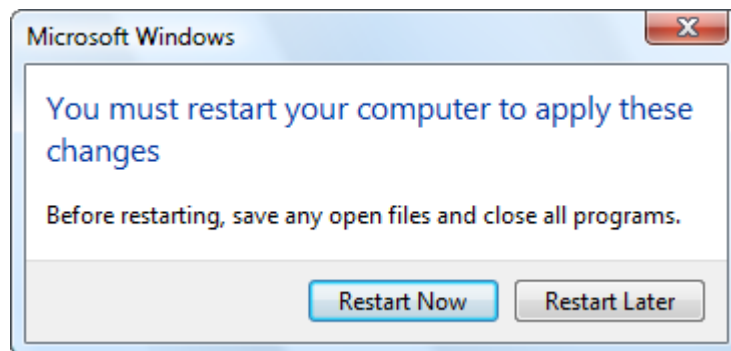
- ☒ Point to **Start > Control Panel > User Account**.
- ☒ Screen as shown next displayed.



- ☒ Click **Turn User Account Control on or off**. Screen as shown next displayed.



- ❏ Uncheck or leave blank the **Use User Account Control (UAC) to help protect your computer** check box.
- ❏ A windows message prompt to restart your computer now or restart your computer later in order to apply the changes.



- ❏ Click <**Restart Now**> to restart immediately.
- ❏ After PC has restarted, open the Internet Explorer browser and access to the system. You will notice that some of the system's administrative privileges are now available for usage.

Appendix F

System Messages

Module	:	Live Quotes	
Function		Message	Remarks
Network connection		Disconnected from server. Automatic reconnect after 10 seconds.	Automatic disconnect from server. The program will automatically reconnect to server after 10 seconds.
		Failed to connect to server. Automatic reconnect after 10 seconds.	Cannot establish connection with server. The program will automatically reconnect to server after 10 seconds.
		Session expired. Please try to refresh the page.	The session provided by web server is not within the permitted time frame or has expired.
Add favourites		Stock '[Stock code], [Stock name]' already exist in '[Favourite group name]' or the group already contains [max] stocks.	The stock that user wanted to add to favourite group already exist or the favourite group already contains the maximum allowed stocks.
Server Reset		Server has been reset. Automatic reconnect in a second.	The server user connected to has been reset. The program will automatically reconnect in a second.
Organise favourites		[Favourite group name] already exists. Please enter another name.	User tried to enter a favourite group name that already exists.
		No stock information available. Try to add stocks later.	Stock information is not sufficient to allow user to add the stock into favourite group.
Stock trade detail		Acc Vol. does not match with total volume traded due to data lost.	This message is shown as a remark to inform user that total volume traded does not matched the volume captured by the system which could be due to data lost.
Profit/Loss calculator		Not enough stock information to perform calculation. Please try again later.	User tried to perform calculation on stock that has no sufficient information.
		The quantity/price that you have entered is out of range or invalid. It has been adjusted to a valid value.	User has entered a quantity or price that is out of acceptable range.
Profit/Loss calculator brokerage settings	-	You can set up to [no] levels of brokerage rate only.	This message is shown when the user is trying to add more than allowable level of brokerage rate.
Customise Columns		Either Stock Code or Stock Name column must be selected. For this reason, Stock Name column will be added for you	The system will automatically add Stock Name column for new/existing Favourites or any new/existing ranking

Module	:	Live Quotes	
Function		Message	Remarks
		automatically.	group if both columns are removed.
		You must have at least one column	
Real Time Mode		This function is only available in Real-Time Mode.	To acknowledge users that certain function in live quote only applicable in Real-Time mode.
Export data in list		Failed to save data into '[Filename]'. 	The program failed to save data to file which could be due to hard disk full or no permission etc.
Delete Favourites		You must have at least one favourites group.	Cannot delete all Favourites folder / group.
Export all stocks' info		This operation is only allowed after market closed (end of day).	User tried to export whole market data before market closed.
Market trade monitor		This function is only available in Real-Time Mode.	This message will be shown when the user has selected this function and the user has log on in standard mode which does not permit this function.
Market trade monitor – group options		No group was selected. Please select at least one group.	User wishes to show only certain groups of stock to be displayed but has not selected any group.

Module	:	Order Management Front-end	
Function		Message	Remarks
Network connection		Unable to establish secured connection to server.	Failed to create public/private key for encryption purpose on client pc and thus not able to communicate with server.
		Disconnected from server. Automatic reconnect after 10 seconds.	Automatic disconnect from server. The program will automatically reconnect to server after 10 seconds.
		Session expired. Please try to refresh the page.	The session provided by web server is not within the permitted time frame or has expired.
		Failed to connect to server. Automatic reconnect after 10 seconds.	Cannot establish connection with server. The program will automatically reconnect to server after 10 seconds.
		Server has been reset. Automatic reconnect in a second.	Server is reset
Order entry		Failed to launch order entry screen. It could be in used. Please try again later.	Failed to launch the order entry screen. Probably redundant.
		Quantity entered is out of range. Maximum allowed is [Qty] x [Lot Size] shares.	Quantity entered by user for the order is out of permitted range.
		Quantity entered is out of range. Minimum allowed is 1 x [Lot Size] shares.	Quantity entered by user for the order is zero or below.

Module	:	Order Management Front-end
Function	Message	Remarks
	Maximum allowable quantity specified is not valid.	The order quantity specified by user is invalid.
	Order entry mode specified is not valid.	The order mode specified by user is invalid.
	You do not have any account to place order.	User cannot place order because he/she doesn't have any trading account to do so.
	Quantity must be numeric.	User has entered non numeric value into the quantity field.
	Price must be numeric.	User has entered non numeric value into the price field.
	Price entered is out of range. Minimum allowed is RM[min price].	User has entered a price below allowable minimum price.
	Price entered is out of range. Maximum allowed is RM[max price].	User has entered a price above allowable maximum price.
	Price entered is not valid. The closest valid prices are RM[price] and RM[price].	User has entered a price that is not in correct bid.
	Price entered is below limit. Minimum allowed is RM%s.	User has entered a price which is below the lower limit of the stock price.
	Price entered is above limit. Maximum allowed is RM%s.	User has entered a price which is over the upper limit of the stock price.
	Account entered not found.	Account number entered by the user is not in the account list.
	Order amount is out of range.\Maximum allowed is %s%."	User is trying to place an order which is out of allowable order entry range.
	Not enough stock basic information to place order. Please try again later.	Information required for the selected stock is not enough for the user to place order.
	[Stock] has been delisted. Order cannot be placed.	User is trying to place order on stock that has been delisted.
	[Stock] has been suspended. For suspension detail, please refer to Stock General Info in Stock Quotation page (Select 'Stocks' menu, and select 'General Info').	User is trying to place order on stock that has been suspended.
	Not enough stock information on limits to place order. Please try again later.	No upper & lower limit information for the selected stock for order validation.
	Market has been halted for trading.	User is trying to place order when the market is halted.
Order entry	Temporary cannot send order or reduce/cancel order because connection to server has not been established or no response from server yet. Please try again later.	The network connection is dropped when the user is trying to send order.

Module	:	Order Management Front-end
Function	Message	Remarks
	Today's trading session is closed. If you are allowed to place order for the next trading day, please refresh the page and try again later.	User is trying to send order after the market closed.
	You have opened this order entry screen for some time without sending the order. For security reason, this screen will now be closed.	The order entry screen has been opened for sometime and the user has not entered the order.
	Quantity entered is out of range. Minimum allowed is 1 x [Lot Size] shares.	User has entered a share quantity which is below or over the maximum share quantity allowed.
	Quantity entered is out of range. Minimum allowed is 1 x [Lot Size] shares.	User has entered a quantity which is below or over than the minimum quantity allowed.
	You do not have the permission to trade.	User is trying to send order when he/she has no permission to trade.
	Today's trading session is closed. You may place orders for the next trading day after [time] today.	User is trying to send order after the market closed and before the time is allowed to send next day order.
	Maximum allowable order amount specified is not valid.	User has specified an order more or less than the maximum allowed thus the order is count as invalid.
Order validation for order entry	Server rejected the order for the following reason: <u>Possible messages:</u> RM[order amount] is required to purchase the stock while available trading limit is only RM[available amount]. Only [quantity] shares(s) available for sale.	Server rejected the order entered by the user and below are the possible causes: The client does not have enough trading limit to buy the stock. (Only when the system checks the client's limit). The client account does not have enough shares to sell. (Only when the system checks the client's shareholding).
	Server rejected the order but did not give any reason. Please contact your Trading Representative for assistance or try again later.	Server rejected the order but did not give any reason. User need to contact his/her Trading Representative for assistance or user can try to trade again in some other time.
	Server failed to send order. Possibly the order has been expired. Please send the order again.	The order information has been deleted at server possibly due to user only confirms the order after long period.

Module	:	Order Management Front-end	
Function		Message	Remarks
		Unable to verify your trading password. Please try again later.	Server is not able to validate user's password due to the communication with database has downed.
Order validation for order entry		Your trading password has been blocked. Please contact helpdesk.	User's account was blocked because of few unsuccessful entry of password.
		This is your initial trading password or your trading password has expired. You must change the password before you can place order.	User must change the initial password before trading.
		You have entered invalid trading password. Please try again.	User has entered wrong password.
		Unable to verify stock information. Please try again later.	Server has not enough information on the stock to validate the order.
		Price specified is above limit.	User has entered a price which is over the upper limit of the stock price.
		Price specified is below limit.	User has entered a price which is below the lower limit of the stock price.
		Market has been halted for trading. Please place your order after market resumed.	User is trying to place order when the market is halted.
		Stock has been suspended or delisted.	User is trying to place order on stock that has been suspended or delisted.
		The specified account does not exist or you are not allowed to send order for this account.	The account number entered by user does not exist in the database or the user has no permission to trade using the account.
		Unable to check available trading limit. Please try again later.	Server is not able to check the trading limit of the client due to the communication with database has downed.
		Unable to check available shares. Please try again later.	Server is not able to check the available share holding of the client due to the communication with database has downed.
		Unable to check stock control. Please try again later.	Server is not able to check whether the stock can be traded due to the communication with database has downed.
		Unable to check client trade control. Please try again later.	Server is not able to check whether the client is allowed to trade due to the communication with database has downed.
		You are not allowed to trade or your	The client's account has not been

Module	:	Order Management Front-end
Function	Message	Remarks
	account has not been activated for trading yet. Order rejected by Exchange Exceeded maximum %d Basket Orders	activated for trading yet.
Order validation for order /basket order reduction/cancellation	Failed to reduce/cancel your order because cannot find the order specified. (Ref: [order no])	Cannot cancel the order because the order information specified does not exist in server.
	Cannot find the order in queue. The order could have been sent to dealer. Please try to reduce/cancel the order after the order has been confirmed by BMSB. (Ref: [order no])	Order has been processed thus cannot be removed from queue.
	Invalid quantity specified to reduce/cancel order. (Ref: [order no])	User has entered quantity that is over the allowable quantity for reduction/cancellation.
	Cannot reduce/cancel the order because the order has been matched/cancelled. (Ref: [order no])	The order has been done thus it cannot be cancelled anymore.
	Failed to reduce/cancel your order because the order has been expired. (Ref: [order no])	The order has been expired thus it cannot be cancelled anymore.
	Order cancellation rejected by Exchange.	The order has been rejected by the Exchange.
	Order triggered by Exchange.	Order has been triggered by the Exchange.
	Order cancellation instruction in queue.	Order cancellation is in queue.
	Order cancellation instruction removed from queue.	
Resend order	Failed to launch order entry screen. It could be in use. Please try again later.	User is trying to resend the selected order while the order entry screen has been opened.
	Order Void and Resent.	Order Void and Resent.
Order Amended / Order Modify	Order Amended	Order has been amended by client.
	Order modify has been confirmed by Exchange	Order modification has been confirmed by exchange.
	Order modification rejected by Exchange	Order modification has been confirmed by exchange.
	Order has been modified by Exchange	Order has been modified by exchange.
	Order modification instruction in queue	Order modification is in queue.
	Order modification instruction removed from queue	Order modification instruction has been removed from queue.
	Order amendment has been rejected by	Order amendment has been rejected by

Module	:	Order Management Front-end
Function	Message	Remarks
	Exchange	the exchange.
Order status	Invalid Client.	User is not a valid trading client.
	Buy Suspended.	User has been suspended from performing Buy order due to certain reason.
	Suspend.	User's trading account has been suspended from trading perhaps due to insufficient fund.
	Server Detected An Error.	Order cannot be sent to broker due to internal server's problem.
	A Transmission Error Has Occurred.	Order cannot be sent to dealer due to communication error.
	(Dealer) Unable to Send Order.	Dealer cannot send the order due to communication problem with broker front-end system.
	(Dealer) Order Declined	Dealer rejected the order.
	Unable to Detect Dealer.	Server could not locate an appropriate dealer to process the order.
	(Dealer) Reduce Instruction Declined.	Dealer has rejected the reduce instruction by user.
	Reduce Instruction Rejected.	Server has rejected the reduce instruction by user.
	Order in Queue. Pending to be sent to Exchange.	Order in queue and pending to be sent to exchange.
	Price Below Lower Limit.	Order price entered by user is below first/second session lower limit price.
	Order cancelled.	Order successfully cancelled with acknowledgement from Bursa Malaysia.
	Price Bid Error.	Order price entered by user is out of the minimum bid.
	Price Exceed Upper Limit.	Order price entered by user is above first/second session upper limit price.
	Order Confirmed.	Order confirmed or acknowledge received by Bursa Malaysia.
	Order Received. Routing to Dealer.	Order received by Order Processor and routing to Order Routing Server, awaiting acknowledgement from Order Routing Server.
	Insufficient Shares	Unable to proceed selling due to insufficient shares.
	All Matched	Order fully matched with acknowledgement from Bursa

Module	:	Order Management Front-end
Function	Message	Remarks
		Malaysia.
	Partially Matched	Order partially matched with acknowledgement from Bursa Malaysia.
	Order is being processed	Order in process by Order Processor.
	Insufficient Trading Limit	Unable to proceed buying due to insufficient trading limit.
	Quantity Reduced	Order reduced (quantity) successfully done with acknowledgement from Bursa Malaysia.
	Instruction Routing to Order Gateway	Order reduced instruction sending by Order Processor to Order Routing Server, awaiting acknowledgement from Order Routing Server.
	Order Removed from Queue	Order queue successfully withdraw by user.
	(Dealer) Order Received	Order successfully received by Dealer. Awaiting execution to Broker Front-End System.
	Order Queue	Next day order or next session order in queue.
	Trade cancelled by Exchange	The transaction has been cancelled by exchange.
Order Status	Order Sent by Dealer.	Order successfully received and executed by Dealer into Broker Front-End System. This status will automatically change to "Please call helpdesk/dealer to verify status" in yellow colour, after 2 seconds.
	(Dealer) Reduce Instruction Received	Reduce instruction successfully received by Dealer. Awaiting execution to Broker Front-End System.
	(Dealer) Reduce Instruction Accepted.	Reduce/Cancellation instruction successfully received and executed by Dealer to Broker Front-end System. This status will automatically change/updated to "Please call helpdesk/dealer to verify status" in yellow colour, after 2 seconds.
	Failed to generate trade report. Make sure the hard disk is not full and you have permission to save file in temporary folder	The program is unable to generate report due to insufficient hard disk space or you do not have permission to save file in temporary folder.
Add/Edit filter	[Filter name] already exist. Please enter another name.	The same filter name has already existed in the filter list.

Module	:	Order Management Front-end	
Function		Message	Remarks
Customise columns		Must have at least one column in the list. Order time has been added to the list.	No column has been specified for the order status listing.
Trade report		Unable to generate trade report because there is no trade.	No order has been matched in the order listing thus no trade report can be generated.
		Failed to generate trade report. Make sure the hard disk is not full and you have permission to save file in temporary folder.	The program is not able or no permission to write file to user's pc.

Appendix F

BURSA Error Messages

There are times when the order has been rejected by Bursa and it is stated in Order Last Status as "Order rejected by the Exchange". The actual reason (error message) sent by Bursa can be found in the Order Properties dialogue box as shown in the next figure.

Order Properties

Order No:	-	Lot Size:	1	Order Date:	08/12/2011
Token No:	11245574	Price:	0.240	Expiry Date:	08/12/2011
Seq No:	1970	Order Qty:	1	Validity:	Day
Source:	System	Modified Qty:	-	Session:	Both
User ID:	LAIFUN	Matched Qty:	-	Creation Date:	08/12/2011
Order Entry:	Married Deal (Odd Lots)	Matched Amt:	-	Creation Time:	09:52:02AM
Order Type:	Sell	Stop Price:	-	Last Update:	09:52:13AM
Modality:	Limit	Original Qty:	1	Last Status Flag:	D
Trigger By:	-	Original Price:	0.240		
Trigger Ssn:	-	Original A/C Code:	000001003		
Display Qty:	-	Original Client Name:	AIBB CLR FOR ALLIANZ DRESDNER ASSET MANAGEMENT SINGAPORE LIM		
Stock:	9717 SYCAL				

Branch:	001	Counter Party:	-
A/C Code:	000001003 (Margin accounts)	Counter Dealer:	-
		Counter Branch:	001
		Counter A/C Code:	-
Client Name:	AIBB CLR FOR ALLIANZ DRESDNER ASSET MANAGEMENT SINGAPORE	Counter Client Name:	-

Transaction Detail:

09:52:13.398AM: Order rejected by Exchange. [THE ACCOUNT NUMBER IS NOT VALID]. Code: [D]
 09:52:08.398AM: Forwarding the order to order gateway. Code: [B]
 09:52:08.086AM: Server retrieved the order for processing. Code: [p]

Bursa Error message

Table below listed down most of the possible error messages (error codes and description) sent by Bursa.

NSC Error Codes

Error Code	Error Description
1000	This instrument doesn't exist
1001	Unknown function
1002	Forbidden function for subscriber type
1003	Group state doesn't allow this function
1004	Instrument state doesn't allow this function
1005	Quantities must be numeric
1006	Price format is not valid
1007	A mandatory area is not or bad filled

1008	Invalid Hour area format
1009	Group not authorized for this subscriber
1010	Group not authorized on Buy Side for this Subscriber

Error Code	Error Description
1011	Group not authorized on Sell Side for this Subscriber
1012	Unknown group of instrument
1013	Tick expression format is invalid
1014	This instrument doesn't allow this function
1015	Field INTERNAL SUBSCRIBER REFERENCE is bad filled
1016	Field FUNCTION CODE is bad filled
1017	Field ORDER ENTRY DATE is bad filled
1018	Field ORDER SEQUENCE NUMBER is bad filled
1019	Field INSTRUMENT CODE is bad filled
1020	Field ORDER SIDE is bad filled
1021	Field ORDER TOTAL QUANTITY is bad filled
1022	Field TYPE OF LIMIT is bad filled
1023	Field ORIGINAL ORDER PRICE is bad filled
1024	Field VALIDITY TYPE is bad filled
1025	Field ORDER VALIDITY DATE is bad filled
1026	Field ORDER MINIMUM QUANTITY is bad filled
1027	Field ORDER DISCLOSED QUANTITY is bad filled
1028	Field MEMBER ID is bad filled
1029	Field TECHNICAL ORIGIN is bad filled
1030	Field ORDER CONFIRMATION FLAG is bad filled
1031	Field PREOPENING ORDER FLAG is bad filled
1032	Field ORIGINAL TRIGGER PRICE is bad filled
1033	Field ORDER VALIDITY DURATION is bad filled
1034	Field TYPE OF CLEARING ACCOUNT is bad filled
1035	Field CLIENT ACCOUNT NUMBER is bad filled
1036	Field CLIENT ACCOUNT NUMBER must be filled for CLIENT orders
1037	Field TRADE ORDER NUMBER is bad filled
1038	Field ORIGINAL ORDER DATE is bad filled
1039	Field BRANCH CODE is bad filled
1040	Field BANK CODE is different from MEMBER ID
1041	Field TYPE OF CLEARING ACCOUNT (2nd ag) is bad filled
1042	Field CLIENT ACCOUNT NUMBER (2nd ag) is bad filled
1043	Field CLIENT ACCOUNT NUMBER (2nd ag) must be filled for CLIENT
1044	Field TRADE ORDER NUMBER (2nd ag) is bad filled
1045	Field ORIGINAL ORDER DATE (2nd ag) is bad filled
1046	Field BRANCH CODE (2nd ag) is bad filled
1047	Field BANK CODE (2nd ag) is different from MEMBER ID
1048	ACCOUNT is not active
1049	ACCOUNT (2nd ag) is not active
1050	Field CLIENT ACCOUNT NUMBER is bad filled
1051	Either BANK CODE or BRANCH CODE is filled with blank
1052	Price is invalid according to quotation range
1053	Reference Price is invalid according to quotation range
1054	One threshold is invalid according to quotation range
1500	Insufficient balance for designated stock
2003	Order price must be filled for limited orders
2004	Order price must not be filled for O, M, X, H & K orders
2005	Quantities must be multiple of traded lot
2006	Type of price invalid or not authorized according to stock or GR state
2009	CROSS orders forbidden in pre-opening stage
2010	CROSS order price type must be limited
2011	Total quantity must be greater than traded lot for a cross order

2013	MARKET TO LIMIT order not supported by opposite limit
2014	Price must be valid against tick table

Error Code	Error Description
2016	FAK orders forbidden for AT BEST, MARKET and STOP-LOSS orders
2018	Invalid Date format
2019	Validity date must be higher than current session date
2020	Validity date must be lower than default date
2021	Validity date must be equal to current session date
2023	Buy-Out Orders must have limit price and multiply quantity
2025	Validity date of FAK, DAY or DEFAULT orders must not be filled
2026	Validity date must be filled
2028	Disclosed or minimum quantity greater than total quantity
2029	Min quantity forbidden for cross best, stop orders or market orders
2031	Disclosed quantity too small
2032	Disclosed quantity forbidden for this kind of order
2033	This Subscriber doesn't exist
2034	Order cannot be entered for surveillance
2035	Only surveillance can capture for another subscriber
2037	Order sequential number must be numeric
2042	No modification for the order
2044	Validity date for this type of order must be FAK
2045	This order is not in the book
2046	Disclosed quantity cannot be greater than total or remaining qty
2048	Unfreeze with acceptance impossible, Best orders not given
2049	Cross order forbidden for STOP orders
2053	MINIMUM QUANTITY forbidden for FAK order
2055	TRIGGER PRICE format is invalid
2056	TRIGGER PRICE must be valid against tick table
2057	TRIGGER PRICE invalid for order type
2058	STOP PRICE maxi-mini must be \geq TRIGGER PRICE
2059	STOP PRICE maxi-mini must be \leq TRIGGER PRICE
2060	TRIGGER PRICE must be $<$ last price or last day price
2061	TRIGGER PRICE must be $>$ last price or last day price
2062	Remaining qty in book \neq from expected remaining qty in order
2064	This Trader does not belong to this Member
2065	Trader Id cannot be updated
2066	Origin date (in clearing agregat) greater than current
2069	Leg price is outside the thresholds
2071	Price must be > 0
2072	Foreign firm subscriber must be different from original subscriber
2075	Order outside the thresholds because of related instrument
2112	Function forbidden on expired instrument
2113	Function forbidden on not activated instrument
2115	Total quantity must be inside the limits
2129	Minimum quantity forbidden for STOP orders
2130	Minimum quantity forbidden in pre-opening stage
2137	Order price is outside the thresholds
2138	Invalid order price
2140	This instrument is not eligible for short selling
2141	Only RSS orders are allowed for this instrument
2142	Only PDT orders are allowed for this instrument
2143	Technical Origin is suspended for this instrument
2144	Short sell order not authorized on Buy Side
2145	Short Sell order must be a Limit order
2146	Short Sell order price doesn't comply with the Up_Tick rule
2147	Invalid Order Technical Origin. It must be filled with -R J V E P K W F

2148	The Technical Origin is already suspended for this instrument
2149	The Technical Origin is already activated for this instrument

Error Code	Error Description
2500	Confirmation mandatory for this order
2501	Order handled in PreOpening - rejected in Continuous Trading
2502	Error, Instrument already in Fast-Market
2503	Error, Instrument already in Slow-Market
2504	Error, Instrument already in Very-Fast-Market
2600	The Member is NOT Liquidity provider for this Instrument
2601	Buy price must be less or equal to sell price
2602	Invalid price publicity type
2603	Invalid Subscriber type
2604	Trader Id is invalid
2917	Validity type of block must be day
3000	Instrument already suspended
3001	Instrument already reserved
3002	Instrument must be reserved or suspended
3003	Instrument must be frozen
3004	Instrument must be authorized
3005	Instrument must be forbidden
3006	No specialist subscriber for this instrument
3007	Fixing time must be less than End Consultation time
3008	No order to delete in the book
3009	High limit must be greater to Low limit
3010	Frozen price must be inside high and low limit
3011	Reservation indicator must be different
3012	Old Last day price invalid
3016	A group or an instrument must be filled
3017	Invalid datas for Low and high limits
3018	The group has no instrument
3019	The Group opening Time commands the Instrument's one
3020	No opening time or fixing recorded for the Instrument
3021	The opening/Fixing time must be greater than system Time
3022	Opening Time must be < PostSession Time or PS Time must exists
3023	TRADING-DATE must be > ORDER-ENTRY-DATE
3024	Previous Lot size different from the current one
3025	Previous H/L Limits different from current ones
3026	Previous Ref.P/T.Limit/Vali.D. different from the current ones
3029	The Lot size cannot be changed if there are orders in the Book
3030	FIRST-LINE-REQUESTED must be filled
3031	NBRE-LINES-REQUESTED must be filled
3032	Selection is empty
3033	Opening or Fixing already scheduled for this Time
3034	Opening or Fixing already scheduled, Time entry rejected
3035	Opening or Fixing already scheduled, Reset rejected
3036	The Min and Max values entered are incorrect
3037	The Max value must be greater than the Min value
3038	The Posted Request to suppress is not in the REQUESTS table
3039	There is no Request corresponding to selection in the REQUESTS table
3040	High limit must be different than zero
3041	The Tick limit must be equal or > 0 and < or equal to 999%
3042	HOST ORDER NUMBER cannot be null
3043	ORDER SIDE must be 'A' or 'V'
3045	The Times entered must be greater than the System Time
3046	Opening or Fixing already scheduled, Cancel before
3048	Time POST-SESSION is mandatory, unique and equal to last Time

3049	All the Group event must have different scheduled Times
3050	The After-Opening scheduled state must be at least 10 minutes after

Error Code	Error Description
3051	Minimum delay between 2 scheduled Group events not respected
3052	At Least 10 minutes between Opening and Surv-Interv
3053	A State Change Time cannot be scheduled if State is the current one
3060	This group does not exist
3062	The OLD TEMP TICK LIMIT is invalid
3063	The OLD DEFAULT TICK LIMIT is invalid
3064	An indic. value must be 0 or 1
3065	The old value of an indicator is incorrect
3066	Relative day 0 cannot have events with triggered time = 00:00:00
3067	Data unchanged
3068	PRICE VALIDITY DATE is wrong
3069	Undefined currency for the instrument. Instrument still forbidden
3070	No Tick for the instrument, Instrument still forbidden
3071	The concerned subscriber does not have the type MEMBER
3072	The reservation indic. must be '+' or '-'
3073	The entered date does not exist in the system calendar
3074	There is no Variable Tick row for the specified criteria
3094	Post-session timer must be > Instrument differed opening timer
3095	Forbidden break after Interruption during end-consult stage
3096	Restarting in Continuous impossible after a Market Interrupt
3097	Impossible Upd, an Instrument has odd lots in the book
3099	Previous Instr. different from the current one
3100	The Instrument Reference Price must be non null
3101	If thresholds are null, Instr. or Group Tick Limit must be non null
3102	The temporary tick limit must be non null
3103	The default Tick Limit must be non null
3104	No valid tick for limit computed
3105	Forbidden cancellation according to instrument state
3106	The Last Adjusted Closing Price must be non null
3107	The Request Time must be smaller or equal to System Time
3108	Request already exists for the Instrument or the Group
3109	Indic. order cancellation can only take values 0,1,3
3110	There are STOP orders for this Instr, Reset is rejected
3111	Change displayed Qty is forbidden on STOP/AON orders
3112	Incorrect value for Ref/Settl. Price
3113	Incorrect value for the Last Adjusted Closing Price
3114	Trading Day indicator = 0 or 1
3115	Session Template must be empty for day type 'F' or 'O'
3116	Day type incompatible with next day
3117	Day type incompatible with previous day
3118	First Default schedule time must have relative day value 0
3119	Forbidden delete, instrument \$\$ state forbidden or frozen
3120	Invalid Group Event code
3121	Group state after opening empty or badly filled
3122	Group state after opening must be filled only if Opening
3123	Session template incompatible with market type associated to Group
3124	Forbidden if one threshold or the reference price is null
3132	State change invalid :
3133	Scheduled time for the group are expired
3134	Update canceled, the day does not exist in calendar
3135	Invalid day type
3136	Invalid matching algorithm type (A/F/2)
3137	Matching algorithm type is already Allocation

3138	Matching algorithm type is already FIFO
3139	Matching algorithm type is already FIFO2

Error Code	Error Description
3140	Invalid demand regarding current algorithm
3154	The state of a leg doesn't allow this function
3200	The Strategy type already exists
3201	The Strategy type doesn't exist
3202	This strategy does not exist
3203	This couple group-strategy type is already forbidden
3204	This couple group-strategy type is not forbidden
3205	The delay is not higher than the minimum delay
3206	Max/Min leg must be between including 2-40 and Min = or < Max
3207	A leg cannot be a Strategy
3208	Number of legs must be between including Min and Max
3209	The quantity type must be filled with Blank or AON
3210	Number of legs is bad filled
3211	The legs must have the same contract
3212	All instrument codes in the reserved bracket are used
3213	A similar strategy \$\$ already exists
3214	The ratios must respect conditions on strategy type
3215	Strategy not authorised for group
3216	Autorization forbidden - transaction unauthorised for strategy
3217	This function can not be captured for another subscriber
3218	This strategy is forbidden for this quantity type
3219	Invalid instrument code
3220	Two legs of this strategy are similar
3221	The leg \$\$ does not exist
3222	The legs must respect conditions on strategy type
3223	Command rejected, the couple group-strategy type is forbidden
3224	This strategy cannot be a delta neutral
3225	Invalid instrument type
3226	Ratios must be less than 99
3227	Stock thawed is rejected because the order is no more valid
3228	Date was expired for the stock
3229	Command rejected, duration goes through the next stage
3230	Strategy type must be filled
3231	Indicator ratio authorized must be Y or N
3232	Authorization to trade on strategy type must be Y or N
3233	Inconsistent leg price algorithm ID
3234	Same underlying indicator for a strategy must be Y or N
3235	Invalid number of legs
3236	Ratio must be numeric
3237	Ratio sign must be + or -
3238	Inconsistent leg type
3239	Too many legs for the number defined
3240	Same leg defined several times
3241	Leg number inconsistent regarding max legs
3242	Strategy Type does not authorize to Trade
3243	Function forbidden for this IXM
3244	Implied orders forbidden for this strategy
3245	Algorithm forbidden for this strategy
3246	Algorithm value is forbidden for this strategy
3247	The Lot size cannot be changed for implied strategy
3248	Strategies cannot be thawed
3249	Ratio or ratio sign inconsistent with leg price algorithm ID
3250	At least one leg can't belong to the strategy

3308	Trigger price outside allowed limits
3400	Reservation with acceptance forbidden for cross/market to limit

Error Code	Error Description
3401	Order must be rejected for forbidden instruments
3402	CROSS order price must be inside the limits
3403	The cross quantity must be greater than total quantity to limit
3404	Change the order side is forbidden
3405	Bad ratio between disclosed and total quantity
3410	Market Maker not authorized for class
3411	IXMs have different class
3412	More one quote for IXM
3413	Cross quote forbidden
3414	Incoherent number of quote
3415	Side must be A or V
3416	Quantity side must be - or +
3417	The mandatory field Posting Action is bad filled
3418	The mandatory field Order user origin is bad filled
3419	The mandatory field Origin account is bad filled
3420	Can't modify expiration date when IXM already expired
3421	Inconsistent ratio regarding strategy type
3422	Unknown quote in book
3423	Couple Group/Associated group does not exist
3424	An associated group already exists for this Group
3425	This Group is already associated to another one
3426	Action code must be D or C
3427	No associated group for underlying IXM(s)
3428	Associated groups must be different
3429	Couple Group/Associated group already exists
3430	Couple Group/Subscriber does not exist
3431	Associated groups must have the same op-val-grc
3432	Association not authorized : groups now definitively in <> Trading Units
3450	Automaton Level is bad filled
3451	Variation Side is bad filled
3452	Beginning Time or/and Ending Time is bad filled
3453	Percentage of Variation is bad filled
3454	Group Opening Delay is bad filled
3455	Action Code must be C or D
3456	Index Code is bad filled
3457	The Index Code doesn't exit
3458	One or more Groups is bad filled
3459	Technical error on Action Code
3460	ICB : Error when programming schedule on group
3461	ICB : Error on group interruption
3462	ICB : Error on group interdiction
3463	Parameters cannot be modified until Circuit Breaker is deactivated
3464	No corresponding data in table
3465	ICB : The robot ICB is just deactivate
3466	ICB : Level 1 has been triggered
3467	ICB : Level 2 has been triggered
3468	ICB : Level 3 has been triggered
3469	You must delete existing index first
3470	You must delete index-group links first
3500	Unknow Dealer
3501	Order price outside the limits NBBO
3502	Quantity must be greater than minimum improvement quantity
3503	Invalid phase number

3504	Improvement period already started
3505	Only price must be updated

Error Code	Error Description
3506	Price must be better than last initial price
3507	Invalid improvement quantity
3508	Only price and quantity must be updated
3509	Unknown management type
3510	Unknown improvement type
3511	Maximum price must be better than price
3512	Mandatory field client account is not filled
3513	Mandatory field trader order number is not field
3514	Improvement order forbidden for dealer
3515	Forbidden improvement phase for IXM
3516	Invalid improvement side
3517	Forbidden update for automatic phase
3518	One IXM hasn't got an improvement tick
3519	Inconsistent improvement tick
3520	Improvement phase to be in progress, Minimum quantity forbidden
3521	Deferred opening on IXM
3522	Maximum improvement price must be filled
3523	Quantity must be greater than last improvement quantity
3524	Order Account type is Incoherent with Combined Order Type
3525	Forbidden exposition for group
3526	NBBO crossed
3532	Lot size greater than Maximum Quantity of Instrument
3550	implied orders forbidden for strategy
3551	Number of legs forbidden for implied
3552	Ratio inconsistent for implied
3553	Lot size or tick inconsistent for implied
3901	Unknown order in book
3902	Old priority invalid for database
3903	New and Old priority are equal
3904	Priority already exists
3905	Priority hour greater then current time
3906	Old shown qty is not equal to database
3907	Displayed quantity is not multiple from trade unit
3908	New and Old quantity are equal
3909	New Displayed qty greater than disclosed quantity
3910	New Displayed quantity greater than left quantity
3911	Trade hour greater than current
3912	Traded quantity less than trade unit
3913	Traded quantity not multiple of trade unit
3914	Invalid trade price
3915	The subscribers are not member firms
3916	Cancel trade date not equal to current
3917	Trade does not exist
3918	Invalid trade price against tick table
3919	trade hour must be greater than last trade hour
3920	Invalid hour format
3921	Trade hour must be less than last trade hour
3922	Order MUST have a hidden Qty in order to change its displayed Qty
3923	Trade rejected: its price crosses STOP orders in the book
3924	Delay till first asked time is too short or first time is obsolete
3925	Next to Last price and Last adj closing price are invalid
3926	Cancel is impossible: Ask Stop with trigg. price > next to last traded
3927	Cancel is impossible: Bid Stop with trigg. price < next to last traded

3928	Trade must be inside the price thresholds
3929	Cancel impossible : this trade is linked to Strategy Trade

Error Code	Error Description
3999	The OBBP and the CP are allowed only in auction trading
4008	Only one field should be informed
4009	One or more group(s) must be selected
5500	SQL Error, Advise Computer staff
5501	SQL tables mismatch, Advise computer staff
5502	No anomalies itemized
5503	Invalid Group/user; Access denied
5504	Invalid password; Access denied
5505	Password expired; please update it
5506	Captured data unknown in database
5507	You're not authorized to break this screen
5508	Direct screen break for this screen
5509	Your logon was changed. Please logon again
5510	Data were created
5511	Data were updated
5512	Date were deleted
5513	Logon authorization doesn't allow to execute this function
5514	Data already exist
5515	Invalid new password
5516	Invalid id code, advise production staff
5517	0000 screen access must be authorized
5518	Invalid screen (check nb/authorization)
5519	This group or user doesn't exist
5520	Maximum of 20 rows for cotation step table
5521	A user's default screen can't be unauthorized
5522	This USER is still connected
5529	No member authorization for the Group
5530	No Group authorization for the member
5531	No group defined in NSC database
5532	No member defined in NSC database
5533	Surveillance Subscriber, no update allowed
5534	Subscriber is not Market maker for the instr.
5535	Delete canceled, trader is connected
5536	Delete canceled, associated instruments still exist
5537	Server name invalid
5538	Data were read
5539	Delete canceled, associated groups still exist
5540	Min price too low
5541	Min price too high
5542	Last page raised
5543	Invalid key. Too many field captured.
5544	Invalid key. Tick not captured
5545	Invalid key for Tick & min price compute.
5546	Cotation Step to low compare to nb decimal ext
5547	Cotation Step price must be filled
5548	Delete canceled, Variable tick table index still use
5549	Class code doesn't exist
5550	Server launched
5551	Launch canceled
5552	Batch mode doesn't allow this function
5553	File in use try later
5554	Update canceled, profile does not exist
5555	Surveillance Subscriber does not exist

5560	This user is currently suspended
5561	This user is already connected

Error Code	Error Description
5563	Active password incorrect
5564	Invalid new password format
5565	New password already in the history
5599	Error message doesn't exist
6000	Empty file
6001	Invalid record type
6002	Invalid File name
6003	Invalid date
6004	Invalid record number
6005	Existing record after footer record
6006	IXM code not numeric
6007	Footer record not found
6008	Header record not found
6009	Mandatory Data
6010	IXM type must be F, C, P or S
6011	Validity date type must be E, D, J, F ou S
6012	NOt numeric data
6013	Not numeric under. IXM code
6014	Under. IXM filled and indicator not present
6015	Invalid price format
6016	Strike fill. strike currency code missing
6017	strike currency filled, strike missing
6018	H/L variation type expression is <> 1 or 2
6019	records chaining impossible for the Instrument
6020	Date/hour expired for record type I or C
6021	Underlying Instr not filled while indic fill.
6022	Settle Indicator must be blank, N or C
6023	Settle Indicator inconsistent
6024	Settle Indicator must be 0 or 1
6025	Price definition must be 1, 2 or blank
6026	Exp. date must be >= Activ. date
6027	Matching code must be A or F
6028	Exp & activ. date must be > system date
6029	Unknown Instrument in NSC-C Database
6030	Instrument already exists in NSC-C Database
6031	IXM code conversion Error. Ask technical support
6032	Max Quantity must be greater than Min Quantity
6033	Low limit must be lower than High limit
6034	Invalid Margin Rate
6035	Credit class must be blank
6036	Stop orders to cancel, command must be confirmed
6041	Variable tick table index does not exist
6100	Trader authorization doesn't exist.
6101	Trader authorization already created.
7000	Invalid market type (cash or futures)
7001	KUR not to be fill in (cash)
7002	NDS account clearer not to be fill in (cash)
7003	NIK not to be fill in (cash)
7004	Nik sub account not to be fill in (cash)
7005	Client inst id not to be fill in (futures)
7006	Broker not found in TFINT
7007	Clearer not found in TFINT
7008	Broker not found in TFABI

7009	Clearer not found in TFABI
7010	Client/Clearer not found in TFKKL

Error Code	Error Description
7011	Inactive link between Client /Clearer
7012	Broker/Clearer not found in TFUUR
7013	Inactive link between Broker /Clearer
7014	Date of settlement invalid or not found
7015	Date of settlement < Session Date
7016	Value limit overload during pre opening
7017	Value limit overload during session
7018	Trade quantity invalid during pre opening
7019	Trade quantity invalid during session
7020	Declaration cancelled by surveillance
7021	Declaration cancelled by broker
7022	The quantity between the two counterpart are different
7023	The price between the two counterpart are different
7024	Declaration has been eliminated
7025	Accrued interest not found in TFCOUPON
7026	Invalid type of value
7027	Type of settlement not found in TFDELA
7028	Client not found in TFINT
7029	Client not found in TFABI
7030	I.B.O. and I.A.O. group states allowed only for fixing group
7031	It is not a specialist of the instrument
7032	To modify, it must be assigned to same subscriber which created it
7033	The order side can't be modified
7034	The instrument id can't be modified
7035	The new quantity order must be >= than the old quantity
7036	The new price must be >= than the old for a buy (less for a sell)
7037	The orders at opening price cannot be modified
7038	The orders at best cannot be modified
7039	Modification is limited to 3%
7040	There is no modification
7041	Only limited order on crossing phase
7042	Only limited orders at the last quoted price on crossing phase
7043	No cross available
7044	Client/Negotiator not found in TNG
7045	Client/Negotiator already exists in TNG
9995	Technical error - Session Change not performed
9996	Technical error - Automatic Authorization/Interdiction not performed
9997	Technical error - Delayed Opening not performed
9998	Technical error - Group State Change not performed
9999	Technical error - Function not performed.

TCS Error Codes

Error Code	Error Description
100	The TCS application is unavailable
101	The function is forbidden
102	Provide a TCS trade number
103	The TCS trade number does not exist
104	The function code is incorrect
105	The declaration is forbidden during the session
106	The TCS trade number is not current
107	Declaration cancellation requested for declaration already canceled

Error Code	Error Description
108	Declaration rejection requested for declaration already canceled
109	Declaration cancellation requested for declaration already matched

Error Code	Error Description
110	Declaration rejection requested for declaration already matched
120	The instrument is invalid
121	The instrument is forbidden
122	The trading mode is not valid
123	The instrument is not eligible for deferred settlement
124	The broad instrument category id is not valid
125	Instrument reserved or suspend
126	The instrument type id is not valid
127	The instrument type vwap is forbidden
129	The instrument is not a fund
130	The side is invalid
131	The side is not authorized
132	Side should be cross for this operation type
140	The buying member is not valid
141	The declaring member is forbidden
142	The declaring member is not a member
143	The selling member is not valid
144	The selling member is forbidden
145	The declaring member is the unknown trading member
146	Provide trading member id in the message header
147	The declaring member is not valid
148	The trading member is different from the original trading member
149	Provide selling member id
150	Provide buying member id
151	The trading member is not defined for this group
152	The declaring member is forbidden for this group
160	The counterparty is not valid
161	The counterparty is forbidden
162	The counterparty is not unk
163	The counterparty on the buy side different from original counterparty
164	The counterparty on the sell side different from original counterparty
165	The buying member and selling member must be identical
166	The buying member and selling member must be different
167	The counterparty is forbidden for this group
170	The principal on buy side is not valid
171	There is no link between declaring member and principal on buy side
172	The principal on buy side is forbidden
173	The principal on sell side is not valid
174	There is no link between declaring member and principal on sell side
175	The principal on sell side is forbidden
180	Not one of the permitted values for the origin
190	Not one of the permitted values for clearing mode
200	Not one of the permitted values for the settlement
201	The settlement is forbidden for this transaction type
202	The settlement is not valid
203	The settlement period is not numeric

Error Code	Error Description
210	The code for transaction type is not valid for this market
211	Not one of the permitted values for the transaction type
212	The code for transaction type is forbidden for bonds
213	The code for transaction type is not valid
Error Code	Error Description
214	The code for transaction type is forbidden
215	The instrument is not eligible for market vwap transaction
216	The code for transaction type is not valid for vwap instrument
217	The reference price of vwap equal zero
218	The code for transaction type is not allowed with the instrument state
220	Quantity*price < minimum authorized amount for bonds
221	Quantity*price < percentage of capital amount
222	Quantity*price < minimum permitted amount for shares
223	Quantity*price < percentage of capital amount and minimum share number
224	Quantity*price < web capitals limit
225	The quantity is not valid
230	The price is not numeric
231	The price is not zero
232	Price > highest price
233	Price < lowest price
234	Price exceeds spread
235	Invalid price ift
236	Price > authorized maximum
237	Price equal to zero
238	Incorrect vwap price -reference price for this period is
239	The market vwap reference price is not available
240	The group is forbidden
241	Provide the financial market id for the group
242	Provide the trading mode for the group
250	The financial market is not valid
251	The financial market is forbidden
252	The financial market is closed
260	The percentage is not numeric
261	Not one of the permitted values for the percentage
262	The ift code for the percentage is not valid
263	The percentage is not valid
264	Side should not be cross for percentage not equal to zero
270	Not one of the permitted values for the guarantee
280	The format is not valid
281	The function is not valid for the trade status
282	The function is not valid for the trade status
283	Invalid declaration format
284	The entry is not valid
285	Comment must be filled
290	Not one of the permitted values for the account type
291	Not one of the permitted values for the account type
292	The account number is not valid
300	Trader id must be fill
310	Time specified as start boundary for vwap computation is not valid

Error Code	Error Description
311	Time specified as end boundary for vwap computation is not valid
312	Invalid time range for vwap computation (start > end)
313	Time specified for vwap computation shorter than minimum requested
314	Delay of incorrect recording
315	Invalid time format
316	Time forbidden for this operation type
400	No ltp on the central market
401	Price is lower than min klse
410	The counterparty is unknown for a trade
411	The counterparty is forbidden for a trade
412	The counterparty is forbidden for this group for a trade
465	The operation cannot be initiated with that side
801	Inav entry is superior to fixing time
802	No link between the member and the fund
803	The counterparty is not a fund agent
804	The type of member is invalid for this type of operation
805	Amount invalid
806	Trade rejected due to invalid quantity
807	Function is not valid for this product
808	Invalid counterpart origin
809	Invalid bypass
999	Unknown error code
2000	Sql error on participants table : tinter
2001	Sql error on instruments table : tval
2002	Sql error on groups table : tgrc
2003	Sql error on authorization participants on groups : tingr
2004	Sql error on links participant/give up table : tincl
2005	Sql error on links participant/principal table : tingi
2006	Sql error fetch cursor
2007	Sql error close cursor
2008	Sql error cursor opening
2009	Sql error on table : tseance
2017	Sql error on price advertisement table : tpub
2018	Sql error on domain table : tdomaine
2020	Sql error on calcul table : tcalcul
2021	Sql error on control table : tcontrole
2022	Sql error on hour table : thoraire
2023	Sql error on nature table : tnature
2024	Sql error on ext. Message table : tmsgext
2025	Sql error on error table : trejet
2026	Sql error on ext. Message table : talert
2027	Sql error on error table : tcourshist
2029	Sql error on ext. Message table : tprofil
2050	Participant not in participants table : tinter
2051	Initiator participant not in participant table : tinter
2052	Instrument not in instruments table : tval
2053	Group not in groups table : tgrc
2054	Participant bic code not in participant table : tinter
2055	Participant not in link participant/group table : tingr

Error Code	Error Description
2056	No link in table participant/give up : tincl
2057	No link in table participant/principal : tingi
2058	No row in table tseance
2065	No row in table : tpub
2067	No row in table : tdomaine
2068	No row in table : tdevise
2069	No row in table : tcalcul
2070	No row in table : tcontrole
2071	No row in table : thoraire
2072	No row in table : tnature
2073	No row in table : trejet
2074	No row in table : tmsgext
2075	No row in table : talert
2076	No row in table : tcourshist
2078	No row in table : tprofil
2100	Instrument is already in the state wanted
2101	Group is already in the state wanted
2102	Participant already exists
2103	Boc code already exists for an other participant
2104	Participant to link has already a default give up
2105	Link participant/give up already exists
2106	Link participant/principal already exists
2107	Participant already in the state wanted
2108	Link participant/group already in the state wanted
2150	One or more link(s) participant/give up exist
2151	One or more link(s) participant/principal exist
2152	One or more link(s) participant/group exist
2153	One or more trade(s) exist for this member
2200	Indicator out of range
2201	Participant type unknown :not market supervisor, not market interactor
2202	Participant forbidden for this function (not market supervisor)
2203	Participant sle code missing in the message
2204	Give up sle code missing in the message
2205	Participant indicator set to zero
2206	Principal sle code missing
2207	Instrument code missing in the message
2208	Group id code missing in the message
2209	Default acces not "0", "1", "2" or "3"
3018	Error sql on table tinterfund
3067	No row in table : tinterfund

IA Error Codes

Error Code	Error Description
1	CDS Client Account does not exist
2	CDS Client Account does not active
3	Trade with this CDS Client Account does not exist
13	Designated Trade Seller Account Amend not allowed

Appendix F

Glossary

Terms	Description
B-O	Best Buy Order
2-B-O	2nd Best Buy Order
2-B-Q	2nd Best Buy Quantity
2-B-QV	2nd Best Buy Value
2-Buy	2nd Best Buy Price
2-Sell	2nd Best Sell Price
2-S-Q	2nd Best Sell Qty
2-S-QV	2nd Best Sell Value
3-B-O	3rd Best Buy Order
3-B-Q	3rd Best Buy Quantity
3-B-QV	3rd Best Buy Value
3-Buy	3rd Best Buy Price
3-Sell	3rd Best Sell Price
3-S-Q	3rd Best Sell Quantity
3-S-QV	3rd Best Sell Value
4-B-O	4th Best Buy Order
4-B-Q	4th Best Buy Quantity
4-B-QV	4th Best Buy Value
4-Buy	4th Best Buy Price
4-Sell	4th Best Sell Price
4-S-Q	4th Best Sell Quantity
4-S-QV	4th Best Sell Value
5-B-O	5th Best Buy Order
5-B-Q	5th Best Buy Quantity
5-B-QV	5th Best Buy Value
5-Buy	5th Best Buy Price
5-Sell	5th Best Sell Price
5-S-Q	5th Best Sell Quantity
5-S-QV	5th Best Sell Value
B%	Buy Rate
BI-Offer	Buying in offer price
BI-O-Vol	Buying in offer volume

Terms	Description
BI-Vol	Buying in Volume Done
Board	Trading Board
B-Q	Best Buy Quantity
B-QV	Best Buy Volume
Broker	A member of the stock exchange who is licensed to buy or sell shares on his own or on his client's behalf. He charges a commission brokerage on the deals
Brokerage Rate	Fee paid to stock broking firm for buying or selling of shares.
B-T	Buy Transactions
B-Vol	Best Buy Price - The highest non-matchable buy order price after the last match
Buy	Buy Volume Traded
Call Warrant	A warrant that entitles the holder the right to purchase an underlying security at a predetermined price prior to or upon a predetermined date
Chg	Change
Chg%	Change %
Close	Close Price – The previous trading day's last done price
Code	Stock Code
CP%	Coupon/Dividend Rate
Cum	A prefix meaning with. A share quoted cum dividend means the buyer is entitled to a dividend currently attaching to it, similarly with cum-rights and cum-bonus
Delivery	Delivery Basis
Dir-Val	Direct Deal Value
Dir-Vol	Direct Deal Volume
Direct Deal	The purchase of shares in an open end mutual fund directly from the fund company rather than through a broker
Div	Dividend (sen) – Distribution of a portion of a company's earnings, decided by the board of directors to a class of its shareholders
DY	Dividend Yield – Dividend per share divided by its market price, multiplied by 100
Ent	Entitlement – Also known as an open offer made by a quoted company to its shareholders inviting them to buy new shares in the company at a set price, which is lower than the current market price
EPS	Earning Per Share (sen) – The net income of the firm divided by the number of common stock shares outstanding
Ex	Prefix meaning without. The purchaser is not entitled to dividends, bonus shares or rights previously attached to the share
Ex-P	Exercise / Conversion Price - The price at which the taker (buyer) of an option or warrant may buy/sell the underlying asset. Also known as the strike price
F-L	Foreign Limitation Indicator
FYE	Financial Year End
Gearing	The ratio of share price to the warrant price
High	Highest Price
ICULS	Irredeemable Convertible Unsecured Loan Stock

Terms	Description
Index / Indices	A measurement of the trend of share prices. In relation to a stock exchange, calculations made on an index number basis is to indicate the movements in the general level of prices of securities listed on that stock exchange
IPO	Initial Public Offering; The first offering of shares of a company to the public in the primary market
ISIN	International Securities Identification Number – A code that uniquely identifies a specific securities issue
Last	Last Done Price
Lot	A fixed minimum number in which shares are bought and sold. Trading lots comprise of 100 shares
Low	Lowest Price
L-V	Last Done Volume
Lwr Lmt	Lower Limit Price
Market Capitalisation	The total market value, at the current stock exchange list price, of the total number of equity shares issued by a company.
Maturity	Expiry / Maturity Date - The date on which all unexercised options or warrants in a particular series expire / The date on which a future contracts ceases to exist
M-Last	Underlying / Mother Share Price
NTA	Net Tangible Assets - An indication of what each share in a company is worth if all the assets were liquidated, all the debts were paid and the residual was distributed to the ordinary shareholders on a per share basis.
Odd Lot	Not a marketable parcel. Can be bought or sold but the broker's commission rate is higher than for a marketable parcel
OL-Last	Odd Lot Last Done Price
OL-Val	Odd Lot Value Traded
OL-Vol	Odd Lot Volume Traded (Shares)
Open	Open Price - The first traded price for each trading session of the day
P/E	Price Earnings Ratio – Current share price of a company divided by its earnings per share
Par	Par Value – The nominal price of a share, loan stock or debenture
Premium	The amount paid for the warrant
Prv Avg	Previous Day Volume Weighted Average Price
Quotation	The prices bid and offered by buyers and sellers for securities listed on a stock exchange
Refer	Reference Price
Sector	Sector
Sell	Best Sell Price – The lowest non matchable sell order price after the last match
S-Issued	Share Issued
S-Q	Best Sell Quantity
S-QV	Best Sell Value
S-T	Sell Transaction

Terms	Description
Stamp Duty	Stamp duty is a tax on written documents ('instruments') and certain transactions including motor vehicle registrations and transfers, insurance policies, leases, mortgages, hire purchase agreements and transfers of property (such as businesses, real estate or shares). The rate of stamp duty varies according to the type and value of the transaction involved. Depending on the nature of the transaction, certain concessions and exemptions may be available
Status	Status
Stock	Stock Name – A term used for equities or shares
Stock Exchange	A marketplace where shares change hands for a consideration
Trans	Total Transactions
Upr Lmt	Upper Limit Price
Value	Value Traded
Vol	Volume Traded
Vol%	Percentage of Shares Traded
Volume	Refers to the total volume of shares traded on a particular day and over a period
V-S	Lot Size
V-Vol	Sell Volume Traded
Warrant	A security with the market price of its own that can be converted into a specific share at a predetermined price and date.
Y-High	52 Weeks Highest Price
Y-Low	52 Weeks Lowest Price

Appendix G

Order Details Status Messages

ORDER STATUS			
Flag	Status Type	Description	Remarks
a	Fail	Invalid Client	No Limit info for this client
b	Fail	Price Below Lower Limit	
c	Success	(BMSB) Order Cancelled	
d	Fail	Price Bid Error	
e	Fail	Price Exceed Upper Limit	
f	Success	(BMSB) Order Confirmed	
g	Success	(BMSB) Order Amended	
l	Success	Order Received. Routing to Dealer	OP Received the order
j	Fail	Server Detected An Error	
k	Fail	Buy Suspended	
l	Fail	Account Suspended	Buy & Sell suspended
m	Success	(BMSB) All Matched / (BMSB) Partially	
n	Fail	Account Suspended	Defaulter
o	Fail	Invalid Client	Account closed
p	Success	Order is being processed	
q	Fail	Insufficient Trading Limit	
r	Success	(BMSB) Quantity Reduced	
s	Success	Reduce Instruction Routing to Dealer	
t	Success	Order Sent by Dealer	Auto Mode
x	Success	Order Removed from Queue	
A	Success	Order Received. Routing to Dealer	ORS received the order
E	Fail	A transmission Error Has Occurred	
F	Fail	(Dealer) Unable to Send Order	Failed to send order to BFE
J	Fail	(Dealer) Order Declined	
K	Fail	Insufficient Shares	
P	Success	(Dealer) Order Received	
Q	Success	Order Queued	
R	Fail	Unable to detect Dealer ID [xxx]	
T	Success	Order Sent by Dealer	Manual Mode
U	Success	(Dealer) Reduce Instruction Received	
X	Success	(Dealer) Reduce Instruction Accepted	Accepted by dealer
Y	Fail	(Dealer) Reduce Instruction Declined	Rejected by dealer
Z	Fail	Reduce Instruction Rejected	
N	Fail	Order Queued. Waiting for dealer logon	Remisier not logged on

Order Status Sequence

A new system order routing sequence (Order removed from queue):	
(1)	Order in Queue. Pending to be sent to BMSB [Q]
(2)	Order removed from Queue [X]

A new system order routing sequence (Partially matched / Order Matched):	
(1)	Order in Queue. Pending to be sent to BMSB [Q]
(2)	Order is being processed. [P]
(3)	Order received. Routing to Dealer. [A]
(4)	(Dealer) Order Received. [P]
(5)	Order sent by Dealer. Waiting for BMSB confirmation
(6)	Order confirmed. [f]
(7)	Partially Matched / All Matched [m]

A new system order routing sequence (Partially matched / Order Matched):	
(1)	Order in Queue. Pending to be sent to BMSB [Q]
(2)	Order is being processed. [P]
(3)	Order received. Routing to Dealer. [A]
(4)	(Dealer) Order Received. [P]
(5)	Order sent by Dealer. Waiting for BMSB confirmation
(6)	Order confirmed. [f]
(7)	Reduce Instruction Routing to Dealer [s]
(8)	(Dealer) Reduce Instruction Received [U]
(9)	(Dealer) Reduce Instruction Accepted [X]
(10)	Waiting for BMSB confirmation
(11)	Order Cancelled [c] / Quantity Reduced [r]

Order Status Description

Order Status Description	
Status	Description
Order Queued	Order is queued in the server waiting to be processed. It can also mean this is a next day order where it will only be processed on the next trading day at specific time.
Order Removed from Queue	User has cancelled the order which was previously in queue waiting to be processed.
Order is being processed	Server has retrieved the order and processing it.
Server Detected An Error	Server failed to process the order. User should resend the order.
Order Received. Routing to Dealer	Server has validated the order and sending it to dealer.
A Transmission Error Has Occurred	Failed to send the order to dealer. User should resend the order.
Unable to detect Dealer ID [xxx]	Dealer does not log on to the system. User can resend the order later.
(Dealer) Order Received	Dealer has received the order.
(Dealer) Order Declined	Dealer has declined the order.
(Dealer) Unable to Send Order	Dealer failed to send the order to BMSB. User should check the status with dealer.
Order Sent by Dealer	Dealer has sent the order to BMSB.
Waiting for BMSB Confirmation	After the dealer has sent the order, it takes few seconds before BMSB acknowledge the order. If the status does not change to '(BMSB) Order Confirmed' after some time, user should check the status with dealer.
(BMSB) Order Confirmed	BMSB has confirmed that the order has been received.
Reduce Instruction Rejected	The reduce/cancel instruction (to reduce the order quantity or cancel the order) was rejected by server. It could be the order has already been matched.
Reduce Instruction Routing to Dealer	Server has received the reduce/cancel instruction and sending it to dealer.
(Dealer) Reduce Instruction Received	Dealer has received the reduce/cancel instruction.
(Dealer) Reduce Instruction Declined	Dealer has declined the reduce/cancel instruction.
(Dealer) Reduce Instruction Accepted	Dealer has sent the reduce/cancel instruction to BMSB
Waiting for BMSB Reduce/Cancel Confirmation	After the dealer has send the reduce/cancel instruction, it takes few seconds before BMSB acknowledge it. If the status does not change to '(BMSB Order Placed' or '(BMSB) Order Cancelled' after some time, user should check the status with dealer.
(BMSB) Quantity Reduced	BMSB has confirmed the reduce instruction has been received

Order Status Description	
Status	Description
	and the quantity has been reduced.
(BMSB) Partially Matched	Partial of the order quantity has been matched by BMSB.
(BMSB) All Matched	The order has been matched by BMSB
Order Expired	After end of trading session, if the order has not been matched, the status will change from '(BMSB Order Confirmed)' to this status
Order Expired with Partially Matched	After end of trading session, if the order has partially matched, the status will change from '(BMSB) Partially Matched' to this status.
Order Void and Resent	User has resent this order and this order is no longer valid